

## CLAIMS

1. A method for assembling a low operating temperature light source comprising:

5 positioning a second base next to a first bulb wherein a lead of said first bulb passes through said second base;

positioning a second bulb wherein a portion of said second base is encircled by an open end of said second bulb and wherein said second bulb and second base together enclose said first bulb;

10 positioning an adhesive between a first surface of said second base and an interior surface of said second bulb; and

curing said adhesive wherein said cured adhesive forms a seal between said second bulb and said second base.

15 2. The method of claim 1 further comprising:

positioning said adhesive between a second surface of said second base and an end surface of said second bulb.

3. The method of claim 2 further comprising:

20 positioning said adhesive between a third surface of said second base and an exterior surface of said second bulb.

4. The method of claim 1 further comprising:

25 providing an extension of said second base for use in clamping said double bulb in place.

5. A low operating temperature light source comprising:

a first bulb;

a second base positioned next to a first bulb wherein a lead of said first bulb passes through said second base;

5 a second bulb wherein a portion of said second base is encircled by an open end of said second bulb and wherein said second bulb and second base together enclose said first bulb; and

an adhesive positioned between a first surface of said second base and an interior surface of said second bulb wherein curing said adhesive forms a seal between said second bulb and said second base.

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6. The low operating temperature light source of claim 5 wherein said adhesive is also positioned between a second surface of said second base and an end surface of said second bulb.

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7. The low operating temperature light source of claim 6 wherein said adhesive is also positioned between a third surface of said second base and an exterior surface of said second bulb.

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8. The low operating temperature light source of claim 5 further comprising:  
a lip on said second base wherein said lip extends beyond an exterior surface of said second bulb.